



**RIGID PAVING**  
(HALF SECTION)

**FLEXIBLE PAVING**  
(HALF SECTION)

**CONSTRUCTION ON EXISTING RIGID PAVEMENT**  
(BARRIER FOOTER IS REQUIRED FOR EXISTING FLEXIBLE PAVEMENT)

**NEW CONSTRUCTION**  
(OR CONSTRUCTION ON EXISTING FLEXIBLE PAVEMENT)

**NOTES**

1. THE BARRIER AND FOOTER SHALL BE CAST SEPARATELY USING THE FIXED FORM OR THE SLIP FORM CONSTRUCTION METHOD USING CONCRETE MIX NO. 6 (4500 PSI).
2. THE CONTRACTOR HAS THE OPTION TO CONSTRUCT THE BARRIER FOOTER AND BARRIER AFTER CONSTRUCTION OF THE PAVEMENT. THE FOOTER FORMS, IF USED, SHALL BE REMOVED IF THE BARRIER AND FOOTER ARE CONSTRUCTED BEFORE THE PAVEMENT.
3. WHEN THE BARRIER IS CONSTRUCTED USING THE SLIP FORM METHOD DIAGONAL NO. 4 REINFORCEMENT BARS ARE REQUIRED. SEE STD. MD 648.44-04.
4. ALL REINFORCEMENT BARS, INCLUDING ENDS, SHALL BE EPOXY COATED. ALL BARS SHALL BE BENT BEFORE APPLYING EPOXY COATING. ALL BAR LAPS TO BE 30 BAR DIAMETERS. TIE BARS TOGETHER. ALL BARS SHALL BE ASTM A 615, GRADE 60.
5. SPACING OF CONTRACTION JOINTS SHALL BE 20 FEET REGARDLESS OF CONSTRUCTION METHOD.
6. COST OF THE CONCRETE FOOTER, ALL REINFORCEMENT, AND EXCAVATION SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR 34 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER.
7. WHEN THE BARRIER IS CONSTRUCTED ON EXISTING RIGID PAVEMENT THE COST OF ALL REINFORCEMENT, DRILLED HOLES, GROUT, LABOR, TOOLS, EQUIPMENT, ETC., SHALL BE INCIDENTAL TO THE PRICE PER LINEAR FOOT FOR THE ITEM SPECIFIED IN NOTE 6.
8. TOLERANCES IN DIMENSIONS SHOWN SHALL BE WITHIN 1/4".

|   |   |                             |  |                 |                  |                 |         |         |         |         |         |
|---|---|-----------------------------|--|-----------------|------------------|-----------------|---------|---------|---------|---------|---------|
| SPECIFICATION<br><b>604</b>                   | CATEGORY CODE ITEMS   |                             |  |                 |                  |                 |         |         |         |         |         |
| APPROVED                                      | <i>Kirk G. McCall</i><br>DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT   |                             |  |                 |                  |                 |         |         |         |         |         |
| <b>SHA</b><br>State Highway<br>Administration | <table> <tr> <td>APPROVAL • SHA<br/>REVISIONS</td><td>APPROVAL • FEDERAL<br/>HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL 3-1-01</td><td>APPROVAL 3-28-01</td></tr> <tr> <td>REVISED 10-1-01</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table> | APPROVAL • SHA<br>REVISIONS | APPROVAL • FEDERAL<br>HIGHWAY ADMINISTRATION | APPROVAL 3-1-01 | APPROVAL 3-28-01 | REVISED 10-1-01 | REVISED | REVISED | REVISED | REVISED | REVISED |
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| APPROVAL 3-1-01                               | APPROVAL 3-28-01  |                             |  |                 |                  |                 |         |         |         |         |         |
| REVISED 10-1-01                               | REVISED   |                             |  |                 |                  |                 |         |         |         |         |         |
| REVISED                                       | REVISED   |                             |  |                 |                  |                 |         |         |         |         |         |
| REVISED                                       | REVISED   |                             |  |                 |                  |                 |         |         |         |         |         |

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**34 INCH F SHAPE CONCRETE MEDIAN TRAFFIC BARRIER**

**STANDARD NO. MD 648.33**